

Name: \_\_\_\_\_

**Factoring – Quadratic Trinomials (a=1) – Version 1**

Directions: Please fully factor the following expressions.

1.  $x^2 + 52x + 100$

$$(x+50)(x+2)$$

2.  $y^2 - 19y + 34$

$$(y-17)(y-2)$$

3.  $x^2 - 6x - 55$

$$(x-11)(x+5)$$

4.  $b^2 + 12b - 64$

$$(b+16)(b-4)$$

5.  $x^2 + x - 42$

$$(x+7)(x-6)$$

6.  $x^2 - x - 72$

$$(x-9)(x+8)$$

7.  $x^2 - 15x + 44$

$$(x-4)(x-11)$$

8.  $x^2 - 14x - 72$

$$(x-18)(x+4)$$

9.  $g^2 - 20g + 64$

$$(g-16)(g-4)$$

10.  $g^2 + 21g + 104$

$$(g+13)(g+8)$$